



## Specifications and Description

### The "SENSIBALL"

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The "SENSIBALL" would use a sensory device embedded just underneath the skin of the football, This sensory device would monitor the progress of the ball on the playing surface, by either GPS satellite tracking, or by laser technology.

The "SENSIBALL", when used in American or Canadian football applications would accurately determine the "spotting" of the football by the officials in crucial situations. Yards gained could then be verified instantly or possibly over ruled.

The "SENSIBALL" would incorporate paper thin "sensor" strips which would be laced inside of the ball in a linear fashion. (see fig. 1). These sensor strips would be concealed beneath the ball's outer skin, and in no way distort the balance or shape of the football.

The "SENSIBALL" would then work in conjunction with "contact plates" buried below the playing surface of the football field. GPS applications would map the playing field, and "track" the football as a "target".

Laser applications would require these flexible yet non-corrosive contact plates to be buried  $\pm 6$ " below a natural grass surface, or just beneath astro turf.

The "contact plates" would emit invisible pulses of laser light, which would react with the sensor strips on the ball thus giving the ball's precise location in relationship to the markings on the playing field. (fig. 2).

The contact plates would be precisely the same width as each yard line, side line, and end zone, and these plates would be centrally connected to the head linesman's viewing monitor. (fig. 3).

IN CONCLUSION, the "SENSIBALL" would be useful in disputed yardage gains or losses, but would not necessarily replace the head linesman, or other official yard keepers.

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